### Approved\_For Release 2002/10/30 : CIA-RDP81B00879R001000020010-2

# SECRET

OXC - 0333

|  |   |   | 25 February 1960   |                     |
|--|---|---|--|---------------------|
| MEMORANDUM FOR<br>THROUGH<br>SUBJECT                                       | : Deputy Director : Acting Chief, DP : OKCART Status as   |   | DE L'MIRT EQ.  NO ENCAME DE CO. S.S. X  CO RECEDENCE DE CO. S.S. X  ESTA DE CO. S.S. X  DATE: 5 CAS 2 D. 1915 V  DATE: 5 CAS 2 D. 1915 V | 32012               |
| 2. (a) I. G This from orig support.  | is biggest problem  | now unresolved. MR h  | ave revised cost e   | stimate<br>test 25) |
| LAC  | third less accurate   | ice is still well abo   | MH system.   | their 25)           |
| riok AFCE<br>and produ<br>per month<br>than aday<br>"edapting<br>these exc | the development charaction of 12 units is<br>a during initial fiel<br>ptive for the reason<br>2". They have not in<br>cursions have been care<br>a stability requires | han expected by IAC. irges have been reduced estimated at just used that the state of the state | d. Price for deve<br>der som linear system<br>stem is constantly<br>litudes and periods<br>may are in fact too<br>ave an adaptive sys    | rather of large     |
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system requires estimates of aircraft stability derivatives to allow initial design of the system. These estimates are verified later by wind tunnel tests and still later in flight tests. If initial estimates add/or w/t date are in serious error with flight test results costly and untimely redesign is necessary.

In this design this is a danger since the supersonic seroelestic problems are compounded by the thermoelastic severity. However, MH claim they can produce successfully on time.

#### 3. J-58 engine:

Pagine development is technically healthy but afflicted with a few administrative baccilli. The fuel additive experiments are estimated to cost about through next July, when the system should be definable.

P & W bad planned on a system with many redundant control over many variables.

believes a flow control sensitive to gas temp, is the only control needed. F & W are reviewing IAC estimates of AB optimization points and hope to produce a fractional percentage better afc. Fuel developments indicate we can count on 19,000 - 19,100 BTU/lb.

P & W have a few other fractional percentages better performance in the sleeve as insurance not yet disclosed to LAC.

The extent of activity at W. Palm Beach is causing speculation and drawing attention. The J-58 cover application is wearing thin with declining AP interest in B-580.

#### 4. Camera:

PS have reduced their estimate to EK propose 21"
FL and PE 18" but they have been urged to try for an increase.

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Jim Baker is reluctant to comment comparatively but EK have discussed their proposal with Din Land and he may be less reticent. This decision seems to reduce to the desirability of carrying EK further as a fall back in the unhappy event the PE become plagued with "C" camera type difficulties.

#### 5. A-12 spec:

Latest performance estimates agree with data given by LAC 21/22 Jan. Our estimates differ in detail (e.g. amount of fuel used in climb) but not in overall altitude distance profile without taking account of reduced gravitational attraction at altitude and centrifugal lift. The thinnest point is fuel reserve at second refuelling. There is no margin for a mistake here.

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#### 6. BOB query:

Mr. Macy questioned our right to proceed without further White House review. Mr. Dulles' letter to BOB, being circulated for coordination, assures Mr. Macy that no further review at that level was needed.

#### 7. Convair close-out:

To what extent if any should any Convair people be knowledgeable?

SIGNED EXCEME P. KIEFER

Distribution:

Copy 1 - Addressee w/atts.

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Attachments:

Three sketches

\_\_\_\_\_ Copy of \_\_\_ Copies

